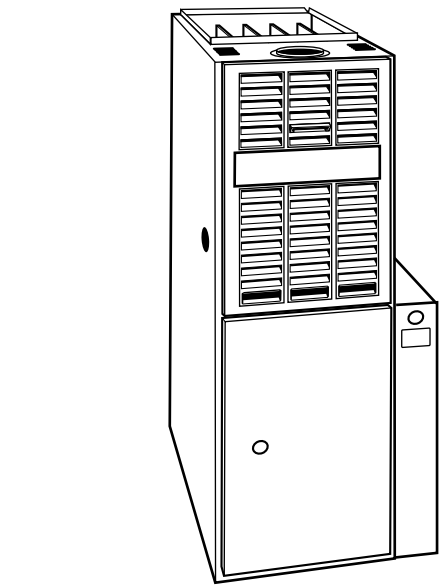
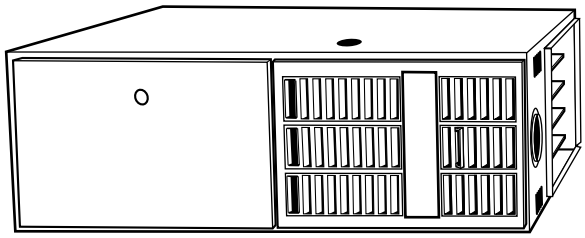
Carrier®
HEATING & COOLING

Product Data

58UHV, 58UXV
WeatherMaker® 8000VS with Comfort Heat Technology™ Deluxe Upflow/Horizontal Furnace

Series 120 & 130
Input Capacities:
60,000 thru 120,000 Btuh





ComfortHeat™ TECHNOLOGY

Comfort Heat Technology with Variable Speed Knowhow

Carrier leads the industry with our new WeatherMaker® 8000VS Upflow/Horizontal Induced-Combustion Gas Furnace. This furnace can operate at a wide range of airflow settings which provide outstanding home comfort. The WeatherMaker 8000VS is built with the most advanced manufacturing equipment, processes, and technology available in order to ensure top quality. Packed into the cabinet are the industry's foremost dealer and homeowner features. The WeatherMaker 8000VS is the latest addition to Carrier's list of product leadership in the gas furnace industry.

These variable-speed induced-combustion, gas-fired furnaces offer not only low installation costs, but fuel economy as well — delivering an Annual Fuel Utilization Efficiency (AFUE) rating of 80.0%. The WeatherMaker 8000VS offers outstanding efficiency year round. The efficiency provided by the variable-speed blower motor can add up to 1 point in seasonal energy efficiency ratio (SEER) to an air conditioner or heat pump system. Also, because this motor is so efficient, you can run year-round constant fan guilt-free! In most places it's less than $30 a year. The

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WeatherMaker 8000VS utilizes a hot surface ignition system to save energy and increase reliability.

Our design uses the patented S-shaped 4-pass heat exchanger, a soft mount 2-speed inducer assembly, and a 2-stage slow-opening gas valve to minimize sound level. The Super-S heat exchanger provides better heat transfer while enabling us to make a compact furnace. This provides more room in closet, utility room, and short basement installations. The heat exchanger is constructed of aluminized steel and is backed by a 20-year Limited Warranty.

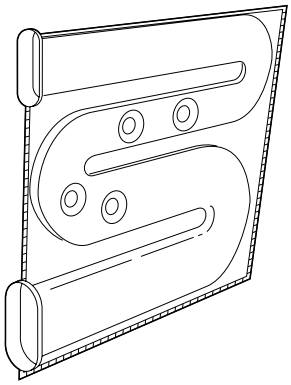
The WeatherMaker 8000VS will meet your home heating requirements. This furnace family provides a wide range of heating capacities. All models are GAMA efficiency rating certified. The 58UXV models are certified for use in California Air Quality Management Districts.

The superior attention to cabinet detail is obvious. The WeatherMaker 8000VS features 1-piece, seamless, wrap-around construction. There are no spot welds on the exterior surfaces. There is also double protection for the cabinet. First, a galvanized steel substrate provides resistance to rusting. Then the cabinet is constructed of prepainted steel — the same high-quality finish found on refrigerators and dishwashers.

Perhaps the most advanced feature of the WeatherMaker 8000VS is the state-of-the-art microprocessor control which shows true leadership in furnace technology. The simplified electronics in this control provide high reliability while performing many of the functions of older, electro-mechanical devices in other furnaces. Advanced features of the control show Carrier's true leadership in furnace technology. The control provides blower delay at start-up and shutdown, while monitoring furnace operations and functions. In the unlikely event of a service call, in less than a minute, the technician can use the self-test feature to determine if a major component has failed. The control will check itself, then the low and high inducer speeds, hot surface ignition, and low-, medium-, and high-speed blower operation. The control also features a 3-amp fuse that protects the transformer and control.

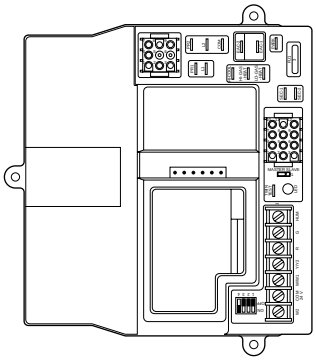
Enhanced indoor air quality in your home is made easier with our media filter cabinet—a standard accessory on all deluxe furnaces. When installed as a part of your system, this cabinet allows for easy and convenient addition of a Carrier high-efficiency air filter.

Best of all, the WeatherMaker 8000VS is easily installed. Many features make this furnace the easy choice for replacement or new construction markets. Left and right connections are provided for gas and electrical supplies. Features include heating and cooling airflow selection, 24 vac humidifier and 115 vac electronic air cleaner connections, and easy-to-remove bottom.



A89217

HEAT EXCHANGER



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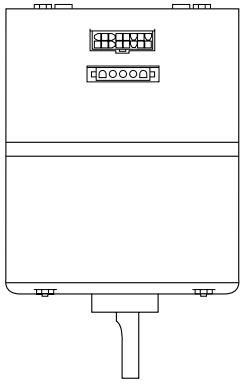
FURNACE CONTROL



A99425

VARIABLE SPEED BLOWER MOTOR

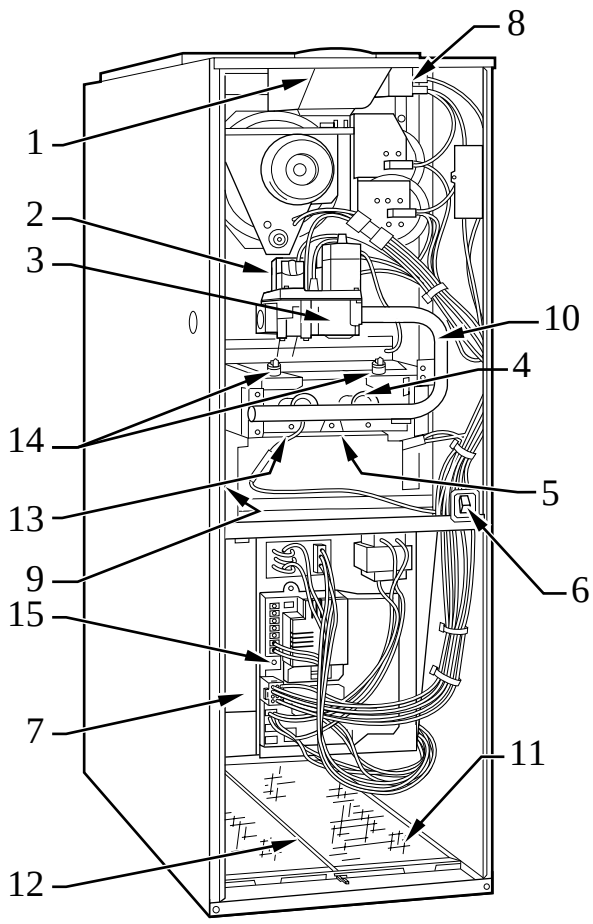
Model number nomenclature

58UHV — **High-Efficiency Induced-Combustion Upflow Furnace**

060 — **Input Capacity**
060 — 60,000 Btuh
080 — 80,000 Btuh
100 — 100,000 Btuh
120 — 117,000 Btuh

120 — **Series Number**

12 — **Cooling Size (Airflow)**
(400 CFM per 12,000 Btuh)
12 — 1200 CFM
16 — 1600 CFM
20 — 2000 CFM



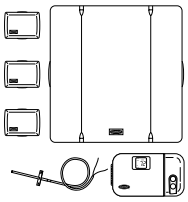
A95312

NOTE: The Furnaces are for use with natural gas, but can be field-converted for propane gas with a factory-authorized and listed accessory conversion kit.

NOTE: Control location and actual control may be different than shown above.

1. Relief Box
2. Gas Valve Control Knob (On/Off)
3. 2-Stage Gas Valve
4. Gas Burner
5. Hot Surface Ignitor
6. Blower Door Safety Switch
7. Blower and Blower Motor
8. Draft Safeguard Tube and Switch
9. Rating Plate
10. Gas Manifold
11. Air Filter
12. Filter Retainer
13. Flame Sensor
14. Manual Reset Flame Rollout Switches (2)
15. Status LED Light

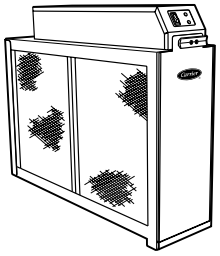
Carrier accessories*



A97432

CONTROLS: THERMOSTATS AND ZONING

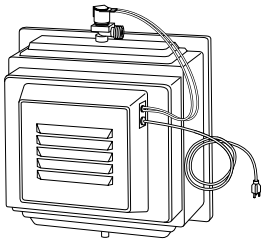
Available in programmable and non-programmable models, Carrier thermostats maintain a constant comfortable temperature level in the home.
For the ultimate in home comfort, Carrier's 2, 4, and 8-zone systems allow temperature control of individual "zones" of the home. This is accomplished through a series of electronic dampers and remote room sensors. The 4-zone system is shown.



A97380

MECHANICAL OR ELECTRONIC AIR CLEANER

Cleans the air of smoke, dirt, and many pollens commonly found. Saves on decorating and cleaning expenses.



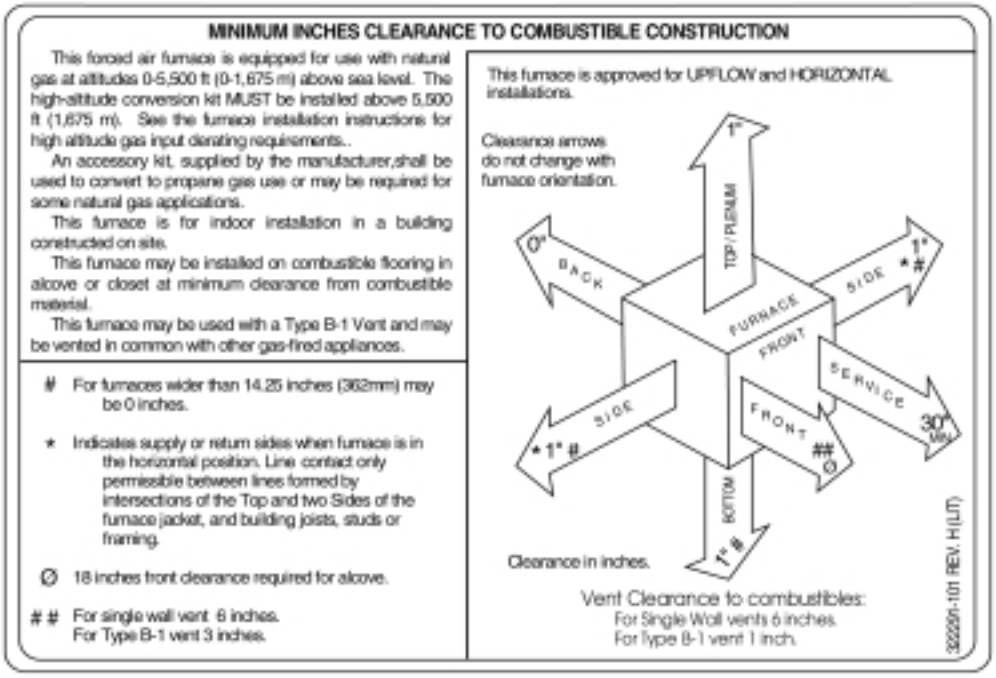
A91365

MODEL HUMCCLFP HUMIDIFIER

By adding moisture to winter-dry air, a Carrier humidifier can often improve comfort and keep furniture, rugs, and draperies in better condition. Moisturizing household air also helps to retain normal body heat and provides comfort at lower temperatures.

UNIT SIZE	060-12**	080-16	100-20	120-20
ELECTRONIC AIR CLEANER (EAC)	Model AIRA			
CARRIER MEDIA FILTER (2 PACK)	FILCCFTC0016	FILCCFTC0020	FILCCFTC0024	
MECHANICAL AIR CLEANER	Model 31MF			
HUMIDIFIER	Model HUM			
HEAT RECOVERY VENTILATOR	Models VA3B, VB5B, or VC5B			
ENERGY RECOVERY VENTILATOR	Model VL3A			
THERMOSTAT—NON-PROGRAMMABLE	Auto Changeover, °F/°C, 1-Stage Heat/1-Stage Cool—TSTATCCNAC01-B Auto Changeover, °F/°C, 2-Stage Heat/1-Stage Cool—TSTATCCNHP01-B Auto Changeover, °F/°C, 2-Stage Heat/2-Stage Cool—TSTATCCN2S01-B in AC Mode, 3-Stage Heat in AC Mode/2-Stage Cool in HP Mode Air Conditioner, 1-Stage Heat/1-Stage Cool, Manual Changeover, °F/°C—TSTATCCBAC01 Heat Pump, 2-Stage Heat/1-Stage Cool, Manual Changeover, °F/°C—TSTATCCBHP01**			
THERMOSTAT—PROGRAMMABLE	Auto Changeover, 7-Day Programmable, °F/°C, 1-Stage Heat/1-Stage Cool—TSTATCCPAC01-B Auto Changeover, 7-Day Programmable, °F/°C, 2-Stage Heat/1-Stage Cool—TSTATCCPHP01-B Auto Changeover, 7-Day Programmable, °F/°C, 2-Stage Heat/2-Stage Cool—TSTATCCP2S01-B in AC Mode, 3-Stage Heat/2-Stage Cool in HP Mode Dual Fuel Thermostat, includes Outdoor Air Temperature Sensor—TSTATCCPDF01-B** Thermidistat Control—Non-Programmable/Programmable Thermostat—TSTATCCPRH01-B** with Humidity Control (For use in Dual Fuel, AC, HP, and 2S applications. Includes Outdoor Air Temperature Sensor.)			
ZONING—2 ZONE	ZONECC2KIT01, ZONEKIT2ZCAR			
ZONING—4 ZONE	ZONECC4KIT01			
ZONING—8 ZONE	ZONECC8KIT01			
TWINNING KIT†	KGATW0401HSI			
GAS CONVERSION KIT* — NATURAL-TO-PROPANE	KGANP2001ALL			
PROPANE-TO-NATURAL	KGAPN1601ALL			
VARIABLE SPEED BLOWER MOTOR REPLACEMENT CONTROL MODULE	RMOD44AE120,121	RMOD44AE120,121	RMOD46AE120	RMOD52AE121

* Factory authorized and field installed. Gas conversion kits are C.S.A. (A.G.A. and C.G.A.) recognized.
† 16 and 20 models only.
** Do not use in zoning heat pump applications.



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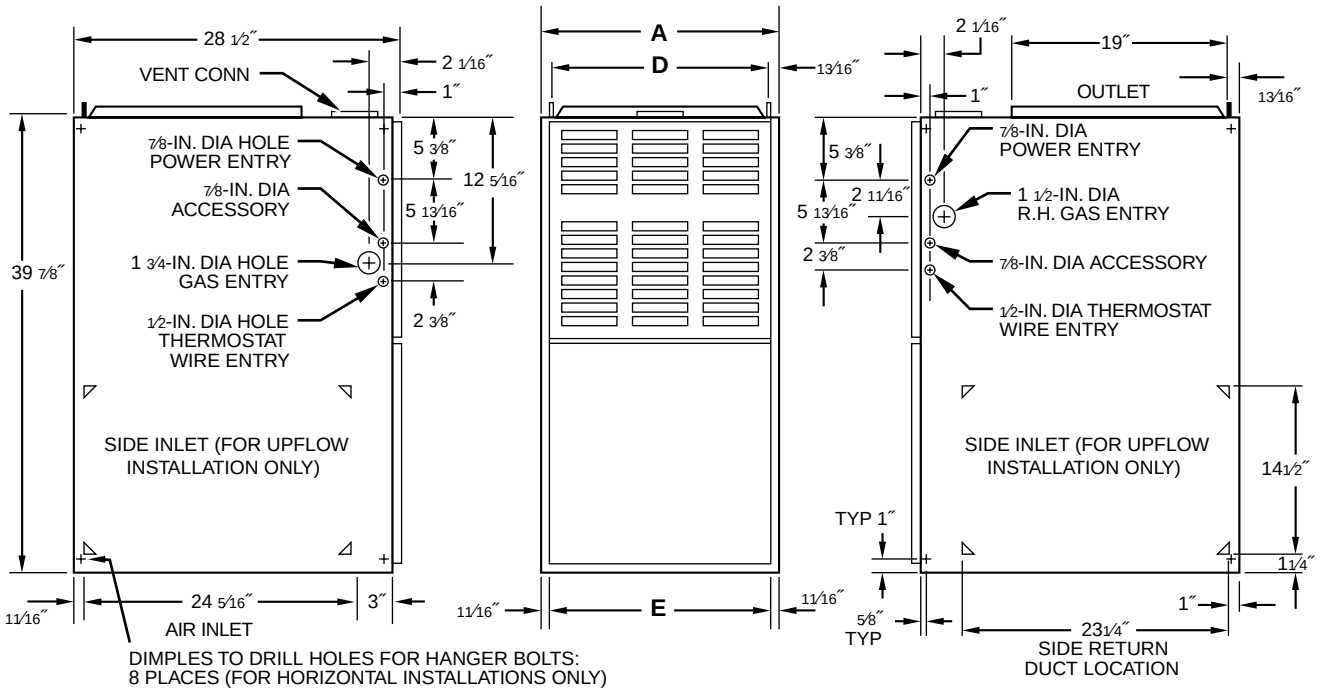


NOTES: 1. Two additional 7/8-in. dia holes are located in the top plate.
2. Minimum return-air openings at furnace, based on metal duct. If flex duct is used, see flex duct manufacturer's recommendations for equivalent diameters.
   a. For 800 CFM–16-in. round or 14½ x 12-in. rectangle.
   b. For 1200 CFM–20-in. round or 14½ x 19½-in. rectangle.
   c. For 1600 CFM–22-in. round or 14½ x 23¼-in. rectangle.
   d. For airflow requirements above 1800 CFM, see Air Delivery table in Product Data literature for specific use of single side inlets. The use of both side inlets, a combination of 1 side and the bottom, or the bottom only will ensure adequate return air openings for airflow requirements above 1800 CFM.

A00358

DIMENSIONS (In.)

UNIT SIZE	A	D	E	VENT CONNECTION*	MEDIA CABINET SUPPLIED
060-12	14-3/16	12-9/16	12-11/16	4	16"
080-16	21	19-3/8	19-1/2	4	20"
100-20	24-1/2	22-7/8	23	4	24"
120-20	24-1/2	22-7/8	23	5	24"

* Refer to the furnace Installation Instructions for proper venting procedures.

Physical data

UNIT SIZE		060-12	080-16	100-20	120-20
OUTPUT CAPACITY (BTUH)†	High Stage	49,000	65,000	82,000	96,000
Nonweatherized ICS	Low Stage	31,000	42,000	53,000	63,000
GAS INPUT (BTUH)*	High Stage	60,000	80,000	100,000	117,000
	Low Stage	39,000	52,000	65,000	78,000
SHIPPING WEIGHT (LB)		134	154	184	194
CERTIFIED TEMP RISE	High Stage	25-55	30-60	25-55	40-70
RANGE (°F)	Low Stage	15-45	15-45	15-45	25-55
CERTIFIED EXT STATIC PRESSURE (In. wc)	Heating	0.12	0.15	0.20	0.20
	Cooling	0.7	0.5	0.7	0.7
AIRFLOW CFM‡	Heating High/Low	1250/1135	1310/1395	1935/1630	1720/1605
	Cooling (Max)	1260	1635	2085	2110
LIMIT CONTROL		SPST (Auto-Reset)			
HEATING BLOWER CONTROL		Solid-State Time Operation			
INDUCER		2-Speed			
BURNERS (Monoport)		3	4	5	6
GAS CONNECTION SIZE		1/2-in. NPT			
GAS VALVE (Redundant) Manufacturer		White-Rodgers			
Minimum Inlet Pressure (In. wc)		4.5 (Natural Gas)			
Maximum Inlet Pressure (In. wc)		13.6 (Natural Gas)			
IGNITION DEVICE		Hot Surface			

* Gas input ratings are certified for elevations to 2000 ft. For elevations above 2000 ft, reduce ratings 4% for each 1000 ft above sea level. Refer to National Fuel Gas Code Table F4. In Canada, derate the unit 10% for elevations 2000 ft to 4500 ft above sea level.

† Capacity and AFUE in accordance with U.S. Government DOE test procedures.

‡ • Airflow shown is for bottom only return-air supply with factory-supplied 1-in. washable filter(s).
• For air delivery above 1800 CFM, see Air Delivery table for other options.
• An airflow reduction of up to 7% may occur when using the factory-specified 4 5/16-inch wide, high efficiency media filter.
• For best furnace efficiency when using the 4 5/16-inch wide media filter, adjust the blower speed tap to near the mid-point of the rise range.

ICS — Isolated Combustion System

Performance data

UNIT SIZE	060-12	080-16	100-20	120-20
DIRECT-DRIVE MOTOR Hp (ECM Variable Speed)	1/2	1/2	3/4	1
MOTOR FULL LOAD AMPS	7.7	7.7	9.6	12.0
RPM (Nominal) — SPEEDS	300 to 1400	300 to 1400	300 to 1400	300 to 1400
BLOWER WHEEL DIAMETER X WIDTHS (In.)	10 x 6	10 x 8	11 x 10	11 x 10
WASHABLE 16 x 25 x 1-in. FILTER — QTY	1	—	—	—
WASHABLE 20 x 25 x 1-in. FILTER — QTY	—	1	—	—
WASHABLE 24 x 25 x 1-in. FILTER — QTY	—	—	1	1

ECM — Electronically Commutated Motor

Efficiency

UNIT SIZE		060-12	080-16	100-20	120-20
CAPACITY BTUH*	High Stage	49,000	65,000	82,000	96,000
	Low Stage	31,000	42,000	53,000	63,000
AFUE %* Nonweatherized ICS		80.0	80.0	80.0	80.0

*Capacity and AFUE in accordance with U.S. Government DOE test procedures.

ICS — Isolated Combustion System

MEETS DOE RESIDENTIAL CONSERVATION SERVICES PROGRAM STANDARDS.

Before purchasing this appliance, read important energy cost and efficiency information available from your retailers.

Carrier Evaporator Coil & Furnace Match Up Guide

Furnace Model Numbers	Size	Nominal Cooling Size	Furnace Width (inches)	CK5 Cased Coil																			
				A018 14 3/16	A024 14 3/16	A030 14 3/16	N036 14 3/16	W024 17 1/2	W030 17 1/2	A036 17 1/2	T036 17 1/2	N042 17 1/2	N048 17 1/2	W036 21	A042 21	T042 21	A048 21	T048 21	N060 21	W048 24 1/2	A060 24 1/2	T060 24 1/2	X060 24 1/2
58UHV	060-12	018-036	14 1/5	■	■	■	■	-	-	▼	❑	▼	-	-	-	-	-	-	-	-	-	-	-
58UXV	080-16	030-048	21	-	-	-	-	-	▲	-	-	-	-	■	■	■	■	-	■	-	-	-	-
(Upflow)	100-20	036-060	24 1/2	-	-	-	-	-	-	-	-	-	-	▲	▲	-	-	-	-	■	■	-	■
	120-20	036-060	24 1/2	-	-	-	-	-	-	-	-	-	-	▲	▲	-	-	-	-	■	■	-	■

Furnace Model Numbers	Size	Nominal Cooling Size	Furnace Width (inches)	CD5A													
				A018 14 3/16	A024 14 3/16	A030 14 3/16	W024 17 1/2	W030 17 1/2	A036 17 1/2	W036 21	A042 21	W042 24-1/2	A048 21	C048 21	W048 24 1/2	A060 24 1/2	W060 31-1/2
58UHV	060-12	018-036	14 1/5	■	■	■	❑	❑	❑	▼	▼	-	-	-	-	-	-
58UXV	080-16	030-048	21	-	-	-	-	▲	▲	■	■	❑	■	■	❑	❑	-
(Upflow)	100-20	036-060	24 1/2	-	-	-	-	-	S	▲	▲	■	▲	▲	■	■	❑
	120-20	036-060	24 1/2	-	-	-	-	-	S	▲	▲	■	▲	▲	■	■	❑

Furnace Model Numbers	Size	Nominal Cooling Size	Furnace Width (inches)	CC5A Uncased												
				A018 14 3/16	A024 14 3/16	A030 14 3/16	W024 17 1/2	W030 17 1/2	A036 17 1/2	A042 21	W042 24-1/2	C048 21	W048 24 1/2	A060 24 1/2	W060 31-1/2
58UHV	060-12	018-036	14 1/5	■	■	■	❑	❑	❑	▼	-	-	-	-	-
58UXV	080-16	030-048	21	-	-	-	-	▲	▲	■	❑	■	❑	❑	-
(Upflow)	100-20	036-060	24 1/2	-	-	-	-	-	S	▲	■	▲	■	■	❑
	120-20	036-060	24 1/2	-	-	-	-	-	S	▲	■	▲	■	■	❑

Furnace Model Numbers	Size	Nominal Cooling Size	Furnace Width (inches)	Horizontal CK3 Indoor Coil					
				024 17 1/2	030 17 1/2	036 17 1/2	042 21	048 21	060 24 1/2
58UHV	060-12	018-036	14 1/5	B	B	B	T	-	-
58UXV	080-16	030-048	21	-	T	T	■	■	B
(Horizontal)	100-20	036-060	21	-	-	T	■	■	B
	120-20	036-060	24 1/2	-	-	T	T	T	■

LEGEND
■ - Coil and furnace are flush
❑ - Coil is wider than furnace, has factory ""transition plates"" to fit several furnace sizes"
▲ - Coil is narrower than the furnace. A transition will be required
▼ - Coil is wider than the furnace. Follow overhang instructions
S - Coil is more than 1 size different than the furnace. Special consideration required
T - Coil is narrower than the furnace or is more than 1 size wider. A transition will be required
B - Coil is wider than the furnace. Apply standard blockoff plate

AIR DELIVERY — NOMINAL CFM at up to 0.70 i.w.c. E.S.P. (With filter)

GAS HEAT AIRFLOW

FURNACE SIZE	GAS HEAT TEMP RISE JUMPER POSITION‡		GAS HEAT TEMP RISE (°F)*		GAS HEAT AIRFLOW (CFM)	
	Red Wire	Violet Wire	HIGH-STAGE	LOW-STAGE	HIGH-STAGE	LOW-STAGE
060	HI	A	51	45	925	615
	M-HI	A	46	38	1085	730
	MID	D	40	30	1250	1135
080	HI	A	58	44	970	790
	M-HI	A	51	39	1140	925
	MID	D	45	29	1310	1395
100	HI	A	51	44	1430	1035
	M-HI	A	45	39	1685	1215
	MID	D	40	30	1935	1630
120	HI	A	69	49	1330	1240
	M-HI	A	59	43	1560	1460
	MID	D	55	40	1720	1605

AC/HP JUMPER POSITION: AC AIR CONDITIONING, COOLING AIRFLOW
HP — EFFY HEAT PUMP — EFFICIENCY, COOLING AND HEATING AIRFLOW
HP — CFMT HEAT PUMP — COMFORT, COOLING AIRFLOW

FURNACE SIZE	AIRFLOW SELECTION		SINGLE-SPEED CFM			TWO-SPEED (HIGH / LOW) CFM					
	COOL SIZE		COOL CFM PER TON			COOL CFM PER TON JUMPER POSITION					
	JUMPER		JUMPER POSITION			400		350		315	
	POSITION	TONS	400	350	315	HIGH	LOW	HIGH	LOW	HIGH	LOW
060	LO	1-1/2	600	530	500†	630	500†	550	500†	500†	500†
	M-LO	2	800	700	630	865	510	735	500†	660	500†
	M-HI	2-1/2	1000	880	790	1060	650	920	570	825	510
	HI	3	1200	1050	945	1260	780	1100	680	990	585
080	LO	2-1/2	1000	875	790	1050	660	920	595	830	545
	M-LO	3	1215	1050	945	1260	790	1100	700	990	625
	M-HI	3-1/2	1400	1225	1100	1470	910	1280	805	1155	715
	HI	4	1600**	1400	1250	1635**	1040	1470	915	1325	820
100	LO	3	1195	1045	950	1260	780	1090	775	990	700†
	M-LO	3-1/2	1400	1225	1090	1470	910	1285	830	1155	715
	M-HI	4	1600	1400	1260	1680	1040	1465	915	1325	820
	HI	5	2000	1750	1575	2085	1300	1840	1150	1655	1025
120	LO	3	1160	1050	955	1195	865	1085	785	985	785
	M-LO	3-1/2	1400	1220	1090	1420	970	1265	875	1150	845
	M-HI	4	1600	1395	1250	1650	1070	1465	975	1315	930
	HI	5	2000	1750	1565	2110	1300	1835	1140	1640	1080

AC/HP JUMPER POSITION: HP — CMFT HEAT PUMP — COMFORT, HEATING AIRFLOW

FURNACE SIZE	AIRFLOW SELECTION		SINGLE-SPEED CFM			TWO-SPEED (HIGH / LOW) CFM					
	COOL SIZE		COOL CFM PER TON			COOL CFM PER TON JUMPER POSITION					
	JUMPER		JUMPER POSITION			400		350		315	
	POSITION	TONS	400	350	315	HIGH	LOW	HIGH	LOW	HIGH	LOW
060	LO	1-1/2	540	500†	500†	565	500†	500†	500†	500†	500†
	M-LO	2	720	630	570	780	500†	660	500†	595	500†
	M-HI	2-1/2	900	790	710	945	585	830	515	740	500†
	HI	3	1080	945	855	1135	700	990	610	895	555
080	LO	2-1/2	900	785	710	945	605	825	535	755	500†
	M-LO	3	1080	945	850	1135	715	990	630	895	560
	M-HI	3-1/2	1260	1100	990	1325	830	1150	725	1040	655
	HI	4	1440	1260	1135	1510	940	1325	825	1190	740
100	LO	3	1075	940	855	1130	700	980	700	890	700†
	M-LO	3-1/2	1260	1100	990	1325	820	1155	750	1040	700†
	M-HI	4	1440	1260	1130	1510	935	1320	825	1190	740
	HI	5	1800	1575	1420	1890	1170	1655	1035	1490	920
120	LO	3	1045	945	860	1075	780	975	750	885	750
	M-LO	3-1/2	1260	1100	980	1280	875	1140	790	1035	760
	M-HI	4	1440	1255	1125	1485	965	1320	880	1185	835
	HI	5	1800	1575	1410	1900	1170	1650	1025	1475	970

* Within ± 2°F
† Minimum airflow is set for electronic air cleaner: 060—500 CFM, 080—500 CFM, 100—700 CFM, 120—700 CFM
‡ Use only listed jumper position combinations.
** Maximum available ESP is 0.70 iwc for all furnace model sizes and operating modes, except maximum available ESP is 0.50 iwc for HI cool size airflow at 400 cfm per ton selection with the 080 size furnace.

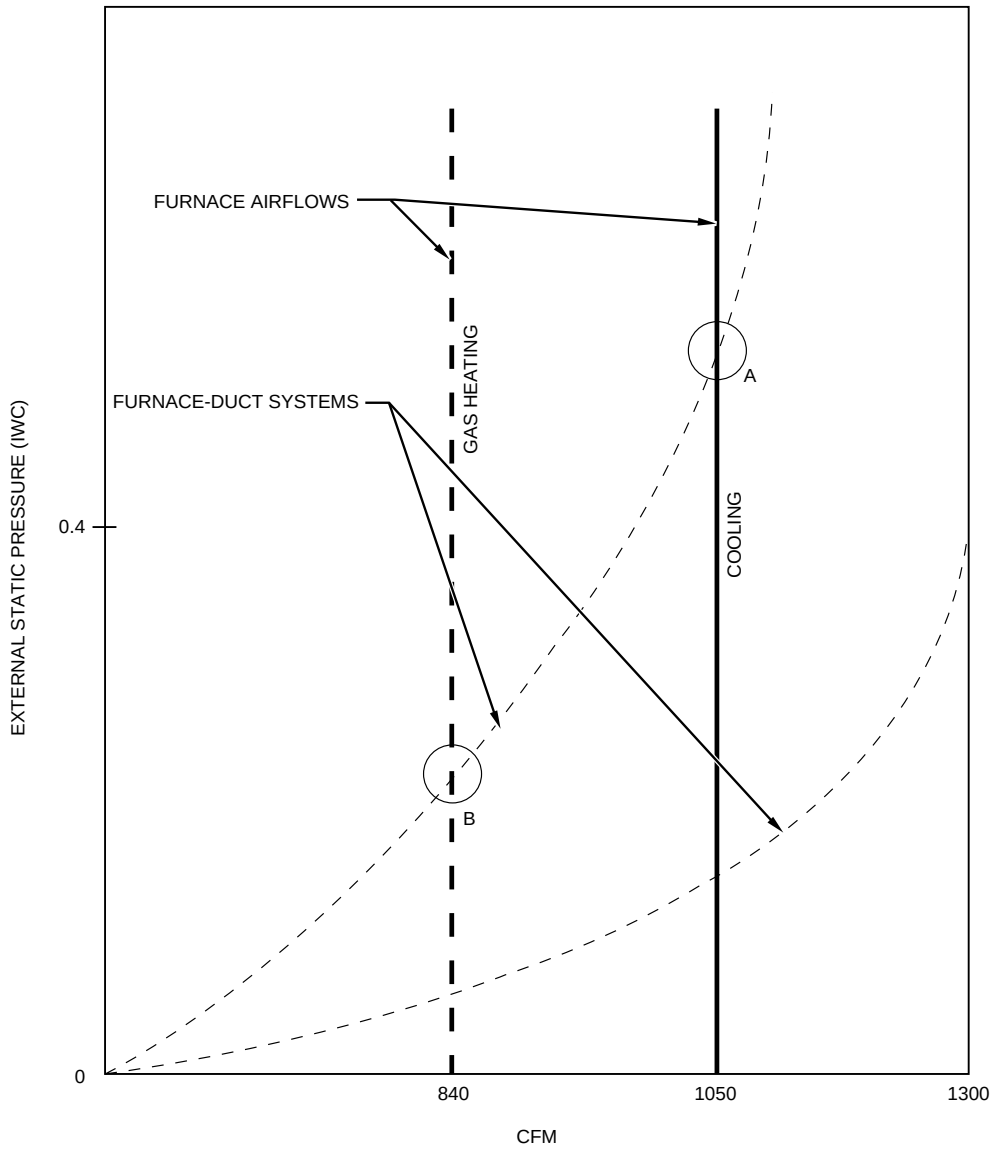
NOTES:
1. A humidistat can be used to further reduce airflow when increased humidity is sensed. This feature reduces the selected airflow by 20%, but no lower than 280 CFM per ton.
2. Continuous-fan selections are 50%, 65%, or 100% of selected cooling airflow. 100% is not recommended for 2-speed air conditioning or heat pumps.†
3. See the following airflow curves for CFM versus ESP at 350 CFM per ton.
4. Airflow shown is with factory supplied 1-in. washable filter(s). An airflow reduction of up to 7% may occur when using the factory-specified 4 5/16-inch wide, high-efficiency media filter. For best furnace efficiency when using the 4 5/16-inch wide media filter, adjust the blower speed tap to near the mid-point of the rise range.

The airflow performance charts for the model 58UHV and 58UXV Furnaces provide nominal airflow in cubic ft per minute (CFM) versus external static pressure (ESP) in in. water column (IWC) for gas heating, cooling, and heat pump operating modes. Each model has 2 chart pages: gas heating and single-speed cooling on the first page, and 2-speed cooling on the second page. Gas heating airflow is shown with dashed lines for HIGH-GAS HEAT and with dot-dash lines for LOW-GAS HEAT for all 3 air temperature rise selections. Single-speed cooling airflow is shown with solid lines for all 4 size selections. Two-speed airflow is shown with solid lines for HIGH-COOLING and with dot-dash for lines LOW-COOLING for all 4 size selections.

The curved, dotted lines are furnace-duct system characteristic curves. System curves can be used to predict the ESP imposed by a building's supply- and return-air duct system at any airflow, if a single actual airflow CFM versus ESP is known.

Example: If CFM and ESP at point A in example below are known, the CFM and ESP at point B can be determined by following the system curve from A to B. If a point falls between 2 system curves, follow an imaginary system curve parallel to and between the 2 system curves.

EXAMPLE AIRFLOW (CFM versus ESP)

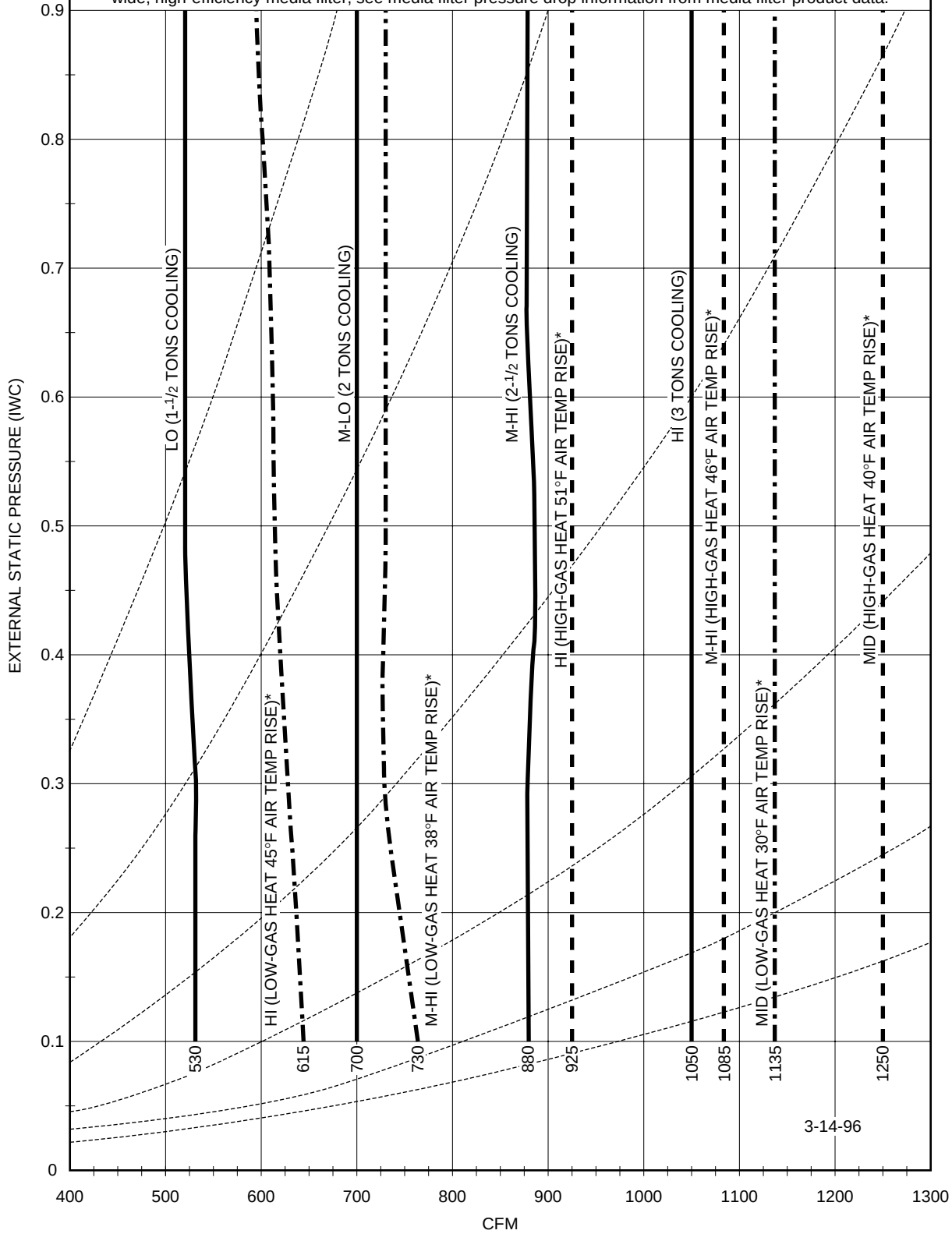


A96033

FURNACE SIZE
60,000 BTUH HEATING INPUT
36,000 BTUH COOLING

TWO-STAGE GAS HEATING WITH FILTER
SINGLE-SPEED COOLING WITH FILTER
COOLING AIRFLOW SELECTION IS APPROXIMATELY 350 CFM PER TON
Airflow shown is with factory supplied 1-in. washable filter(s). For airflow using the factory specified 4 5/16-inch wide, high-efficiency media filter, see media filter pressure drop information from media filter product data.

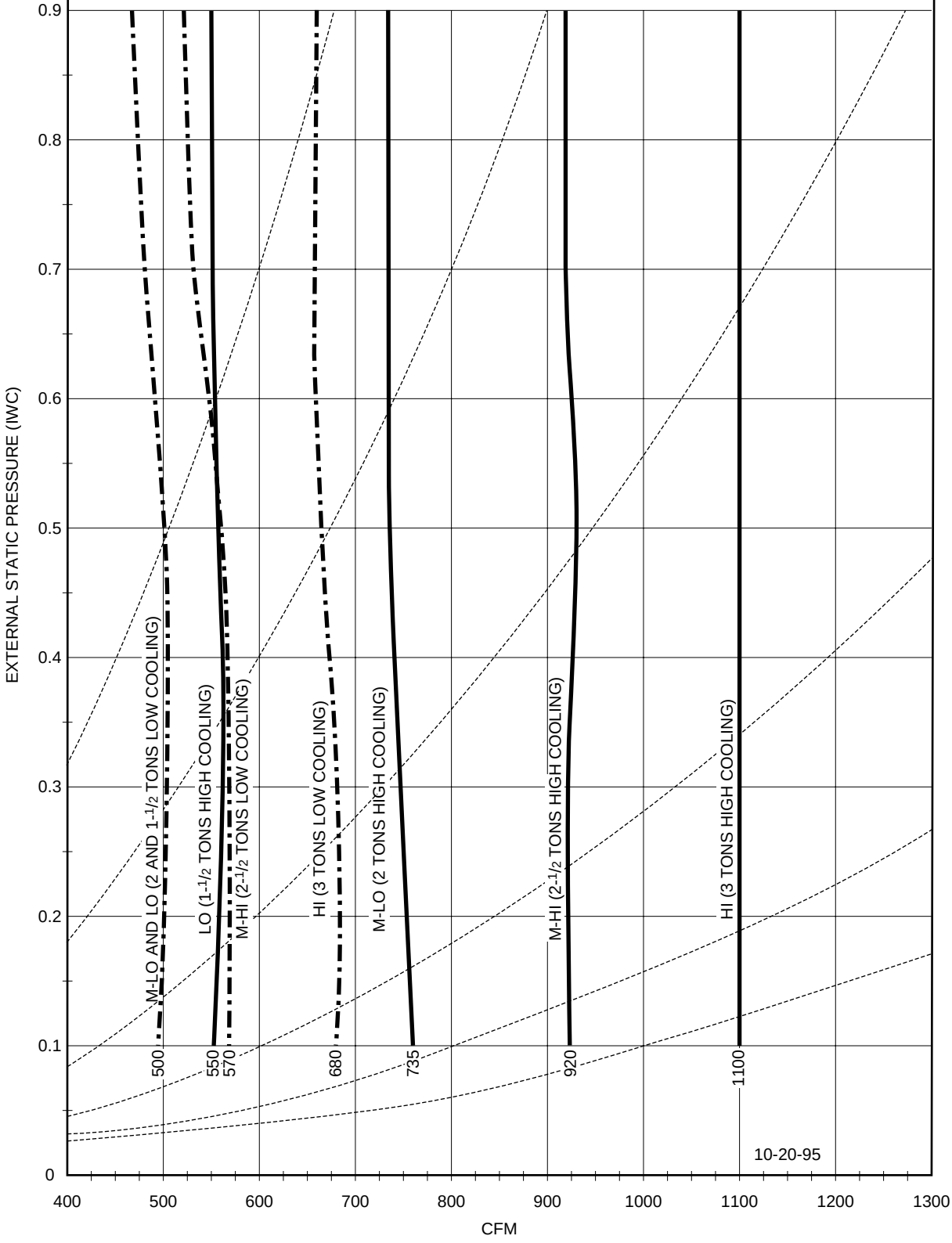
*See Air Delivery Table for jumper positions.



A96019

FURNACE SIZE
60,000 BTUH HEATING INPUT
36,000 BTUH COOLING

TWO-SPEED COOLING WITH FILTER
COOLING AIRFLOW SELECTION IS APPROXIMATELY 350 CFM PER TON
Airflow shown is with factory supplied 1-in. washable filter(s). An airflow reduction of up to 7% may occur when using the factory specified 4 5/16-inch wide, high-efficiency media filter.

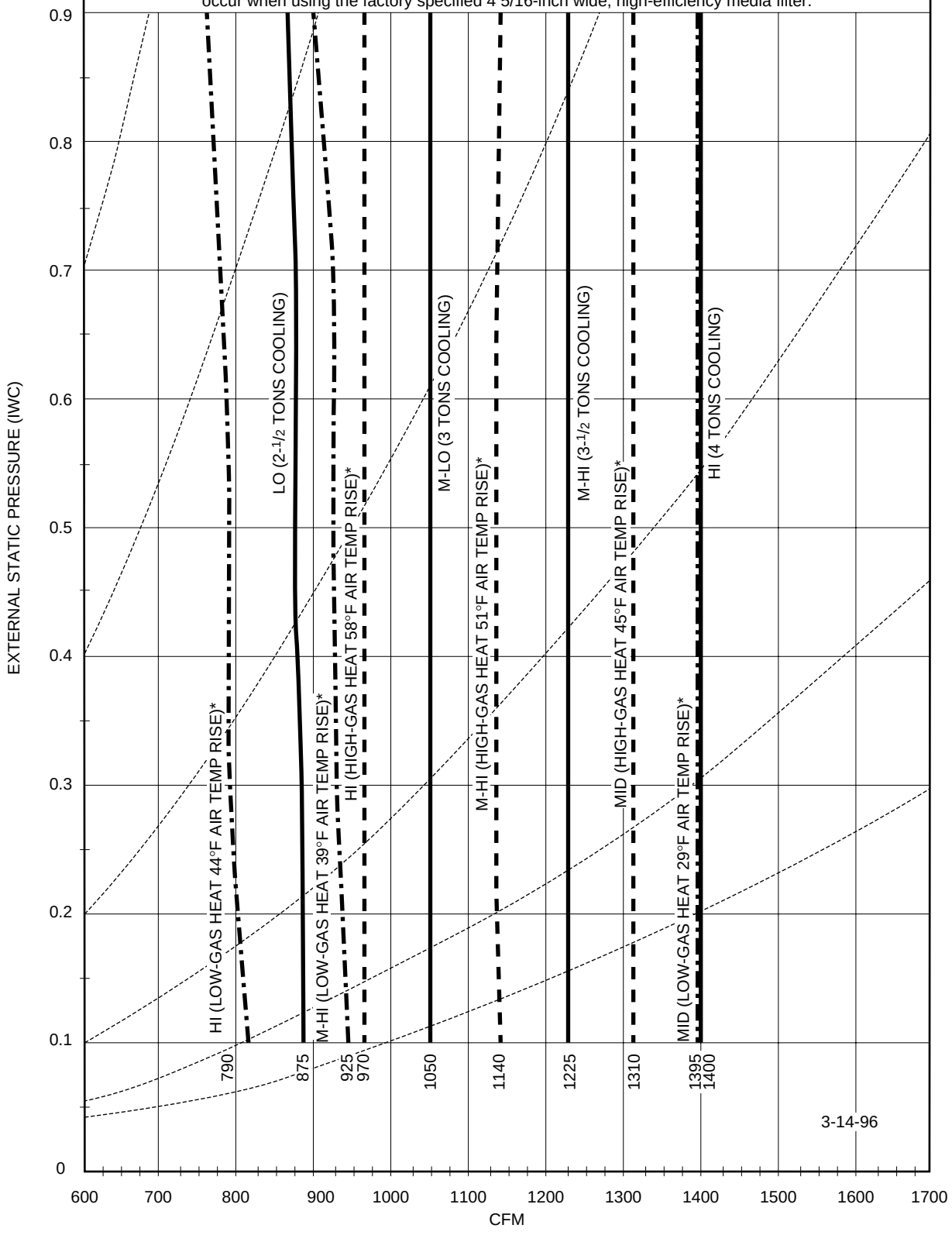


A96020

FURNACE SIZE
80,000 BTUH HEATING INPUT
48,000 BTUH COOLING

*See Air Delivery Table for jumper positions.

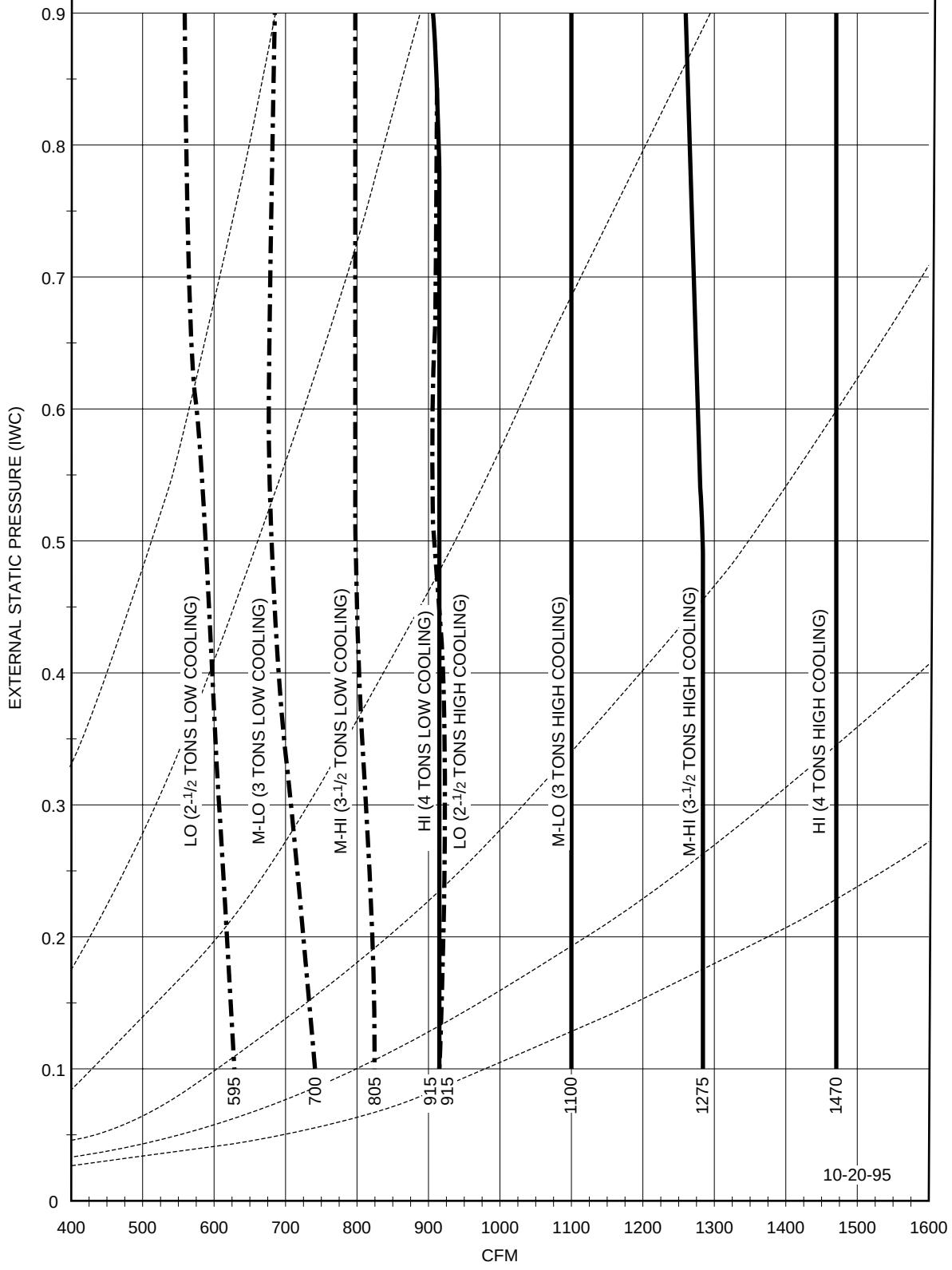
TWO-STAGE GAS HEATING WITH FILTER
SINGLE-SPEED COOLING WITH FILTER
COOLING AIRFLOW SELECTION IS APPROXIMATELY 350 CFM PER TON
Airflow shown is with factory supplied 1-in. washable filter(s). An airflow reduction of up to 7% may occur when using the factory specified 4 5/16-inch wide, high-efficiency media filter.



A96021

FURNACE SIZE
80,000 BTUH HEATING INPUT
48,000 BTUH COOLING

TWO-SPEED COOLING WITH FILTER
COOLING AIRFLOW SELECTION IS APPROXIMATELY 350 CFM PER TON
Airflow shown is with factory supplied 1-in. washable filter(s). An airflow reduction of up to 7% may occur when using the factory specified 4 5/16-inch wide, high-efficiency media filter.

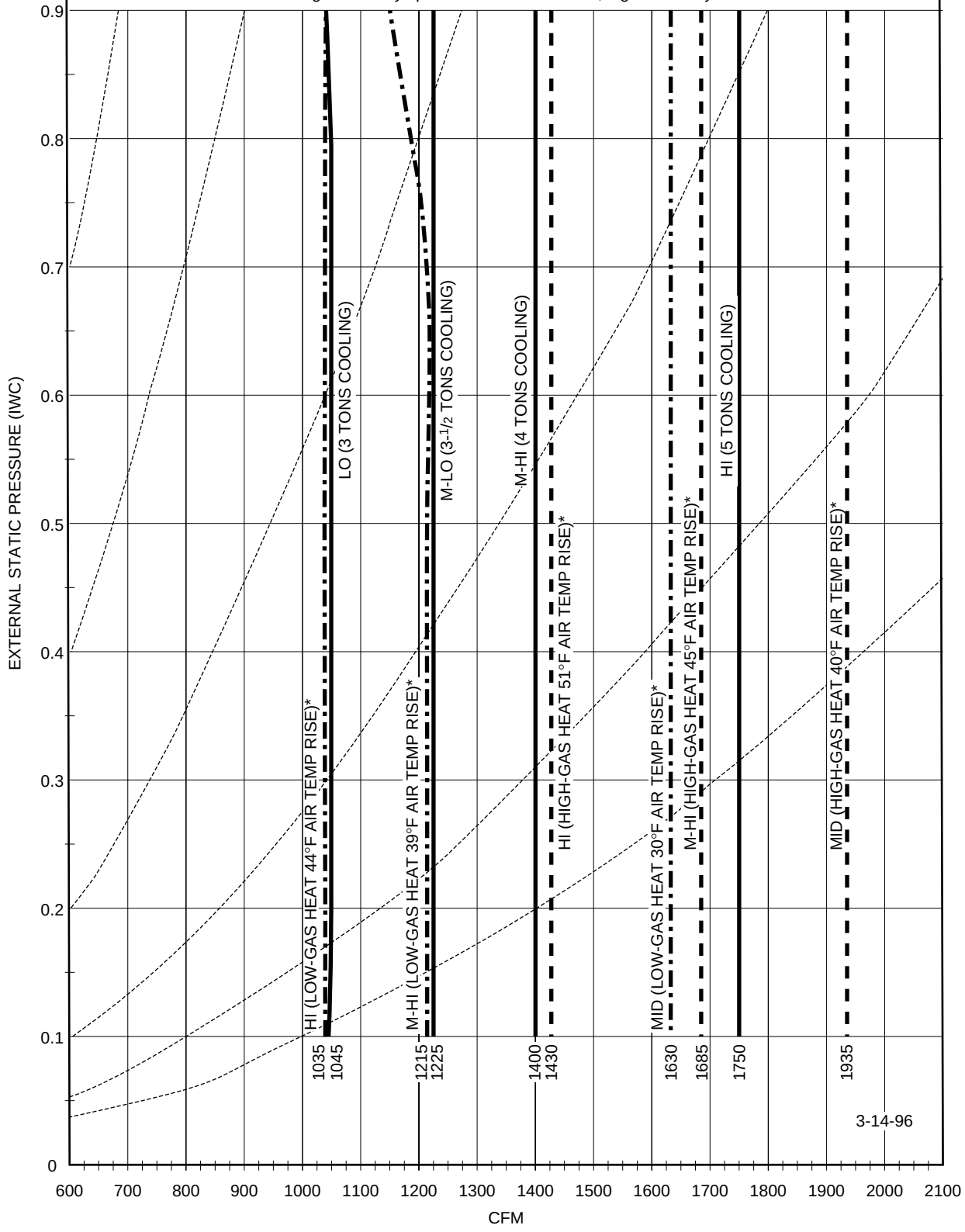


A96022

FURNACE SIZE
100,000 BTUH HEATING INPUT
60,000 BTUH COOLING

*See Air Delivery Table for jumper positions.

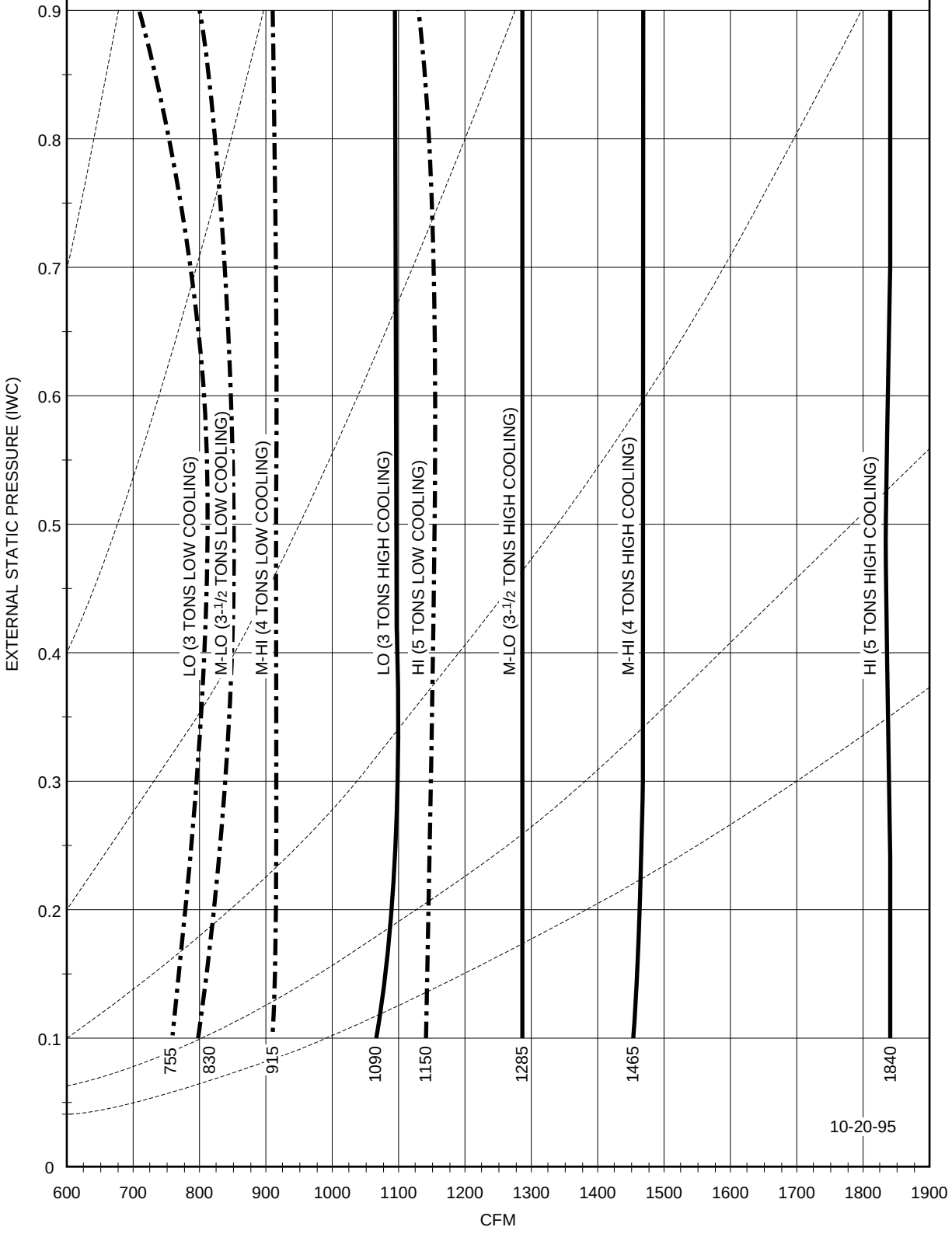
TWO-STAGE GAS HEATING WITH FILTER
SINGLE-SPEED COOLING WITH FILTER
COOLING AIRFLOW SELECTION IS APPROXIMATELY 350 CFM PER TON
Airflow shown is with factory supplied 1-in. washable filter(s). An airflow reduction of up to 7% may occur when using the factory specified 4 5/16-inch wide, high-efficiency media filter.



A96023

FURNACE SIZE
100,000 BTUH HEATING INPUT
60,000 BTUH COOLING

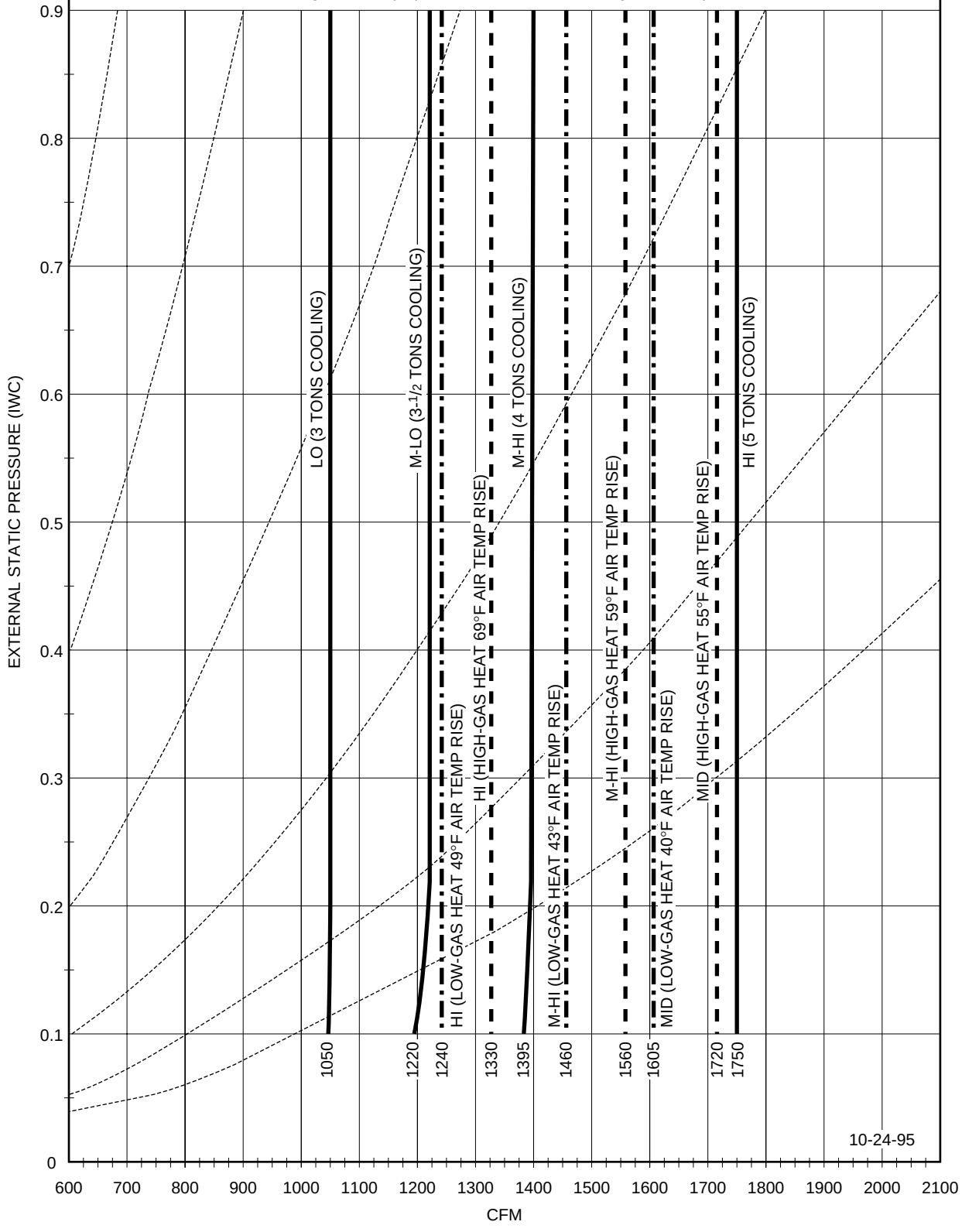
TWO-SPEED COOLING WITH FILTER
COOLING AIRFLOW SELECTION IS APPROXIMATELY 350 CFM PER TON
Airflow shown is with factory supplied 1-in. washable filter(s). An airflow reduction of up to 7% may occur when using the factory specified 4 5/16-inch wide, high-efficiency media filter.



A96024

FURNACE SIZE
120,000 BTUH HEATING INPUT
60,000 BTUH COOLING

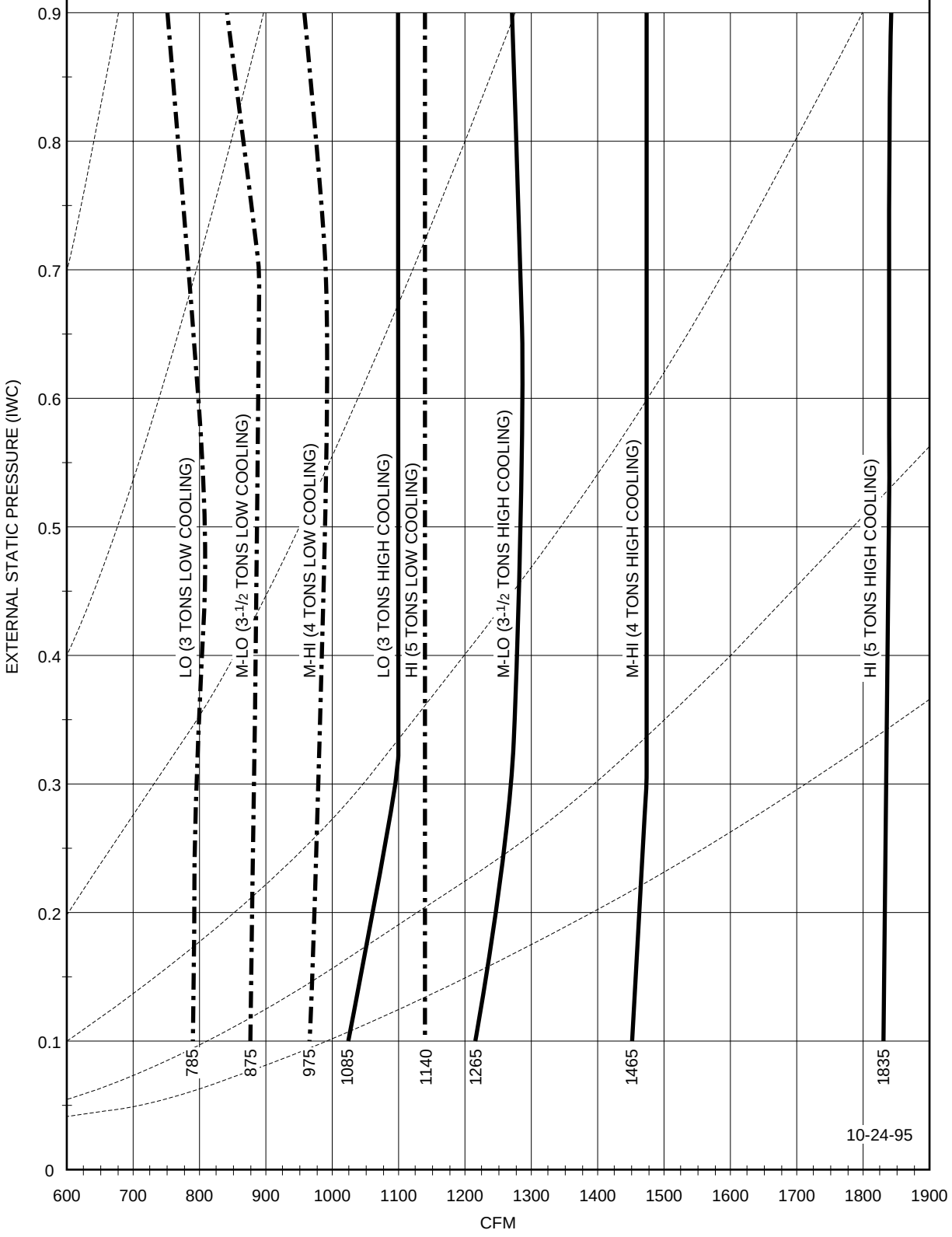
TWO-STAGE GAS HEATING WITH FILTER
SINGLE-SPEED COOLING WITH FILTER
COOLING AIRFLOW SELECTION IS APPROXIMATELY 350 CFM PER TON
Airflow shown is with factory supplied 1-in. washable filter(s). An airflow reduction of up to 7% may occur when using the factory specified 4 5/16-inch wide, high-efficiency media filter.



A96025

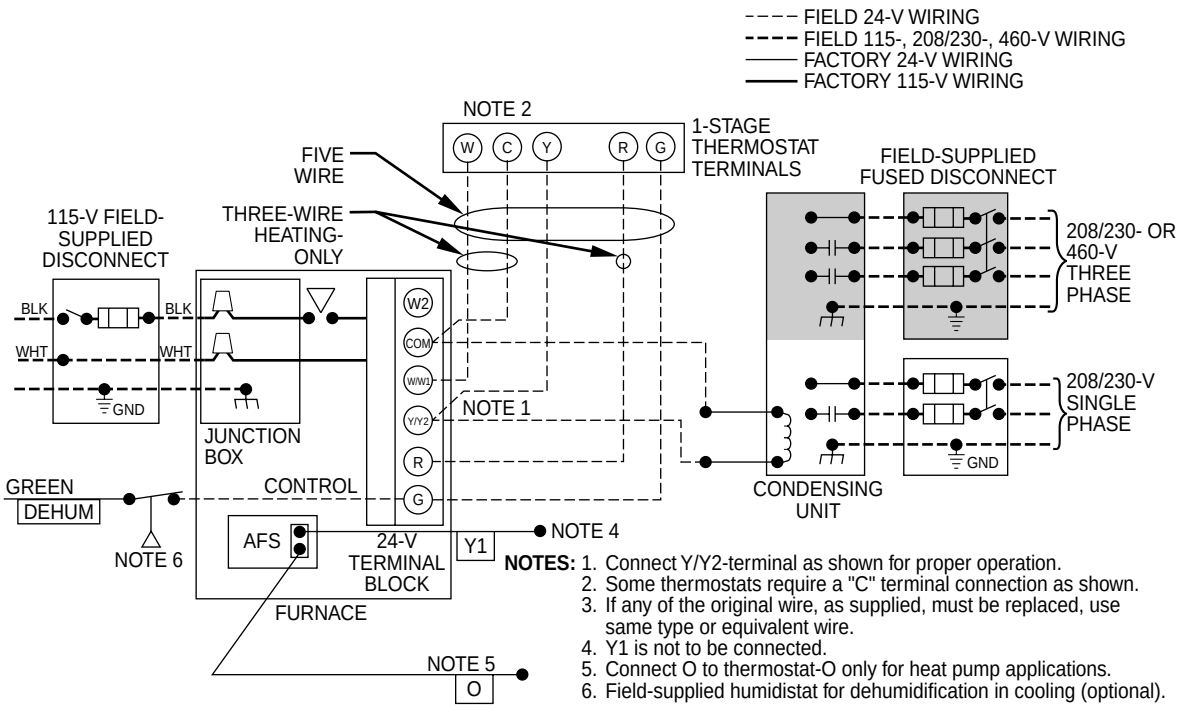
FURNACE SIZE
120,000 BTUH HEATING INPUT
60,000 BTUH COOLING

TWO-SPEED COOLING WITH FILTER
COOLING AIRFLOW SELECTION IS APPROXIMATELY 350 CFM PER TON
Airflow shown is with factory supplied 1-in. washable filter(s). An airflow reduction of up to 7% may occur when using the factory specified 4 5/16-inch wide, high-efficiency media filter.



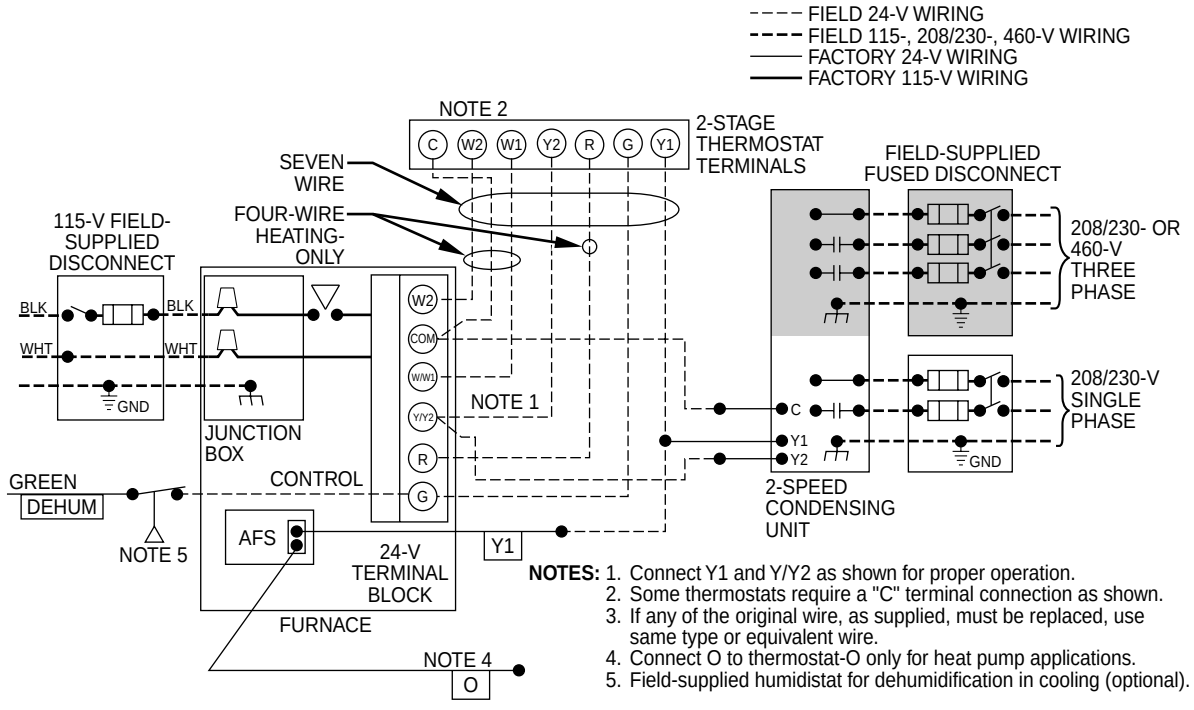
A96026

Typical wiring schematic



NOTES:
1. Connect Y/Y2-terminal as shown for proper operation.
2. Some thermostats require a "C" terminal connection as shown.
3. If any of the original wire, as supplied, must be replaced, use same type or equivalent wire.
4. Y1 is not to be connected.
5. Connect O to thermostat-O only for heat pump applications.
6. Field-supplied humidistat for dehumidification in cooling (optional).

A99231



NOTES:
1. Connect Y1 and Y/Y2 as shown for proper operation.
2. Some thermostats require a "C" terminal connection as shown.
3. If any of the original wire, as supplied, must be replaced, use same type or equivalent wire.
4. Connect O to thermostat-O only for heat pump applications.
5. Field-supplied humidistat for dehumidification in cooling (optional).

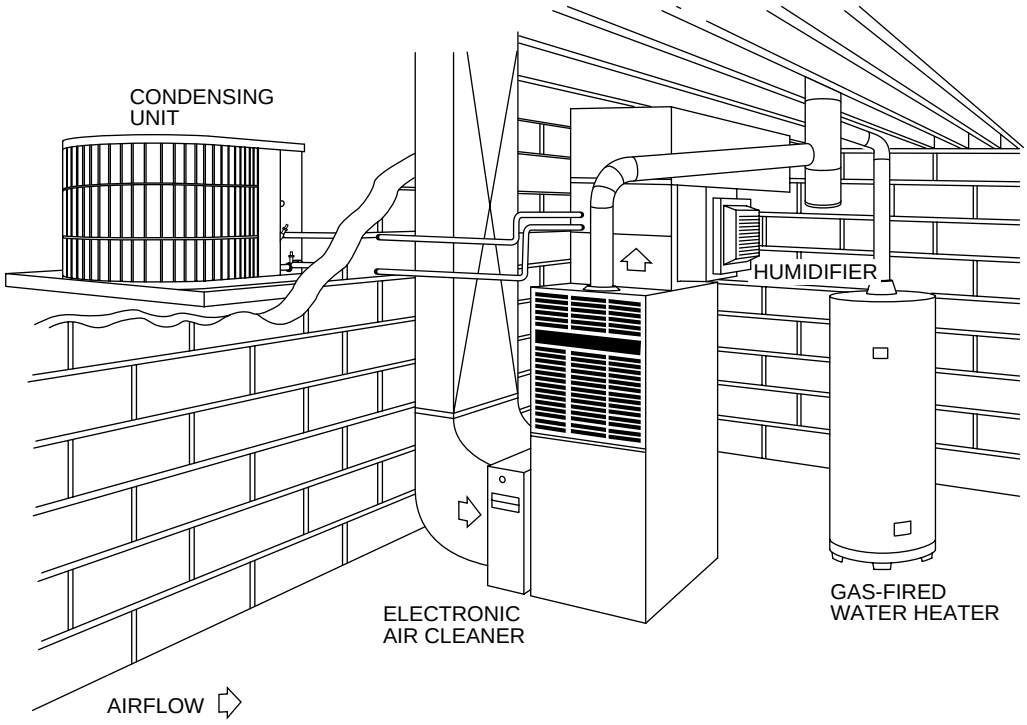
A99232

Electrical data

UNIT SIZE		060-12	080-16	100-20	120-20
UNIT VOLTS — HERTZ — PHASE		115 — 60 — 1			
MINIMUM WIRE SIZE		14	14	14	14
MAXIMUM WIRE LENGTH (Ft)*		36	34	29	26
MAXIMUM UNIT AMPS		10.1	10.6	12.6	13.9
OPERATING VOLTAGE RANGE (Min — Max)†		104 — 127			
MAX FUSE CKT BKR (Amps)‡		15			
TRANSFORMER (24v)		40va			
EXTERNAL CONTROL POWER AVAILABLE	Heating	19va			
	Cooling	35va			
AIR CONDITIONING BLOWER RELAY		Standard			

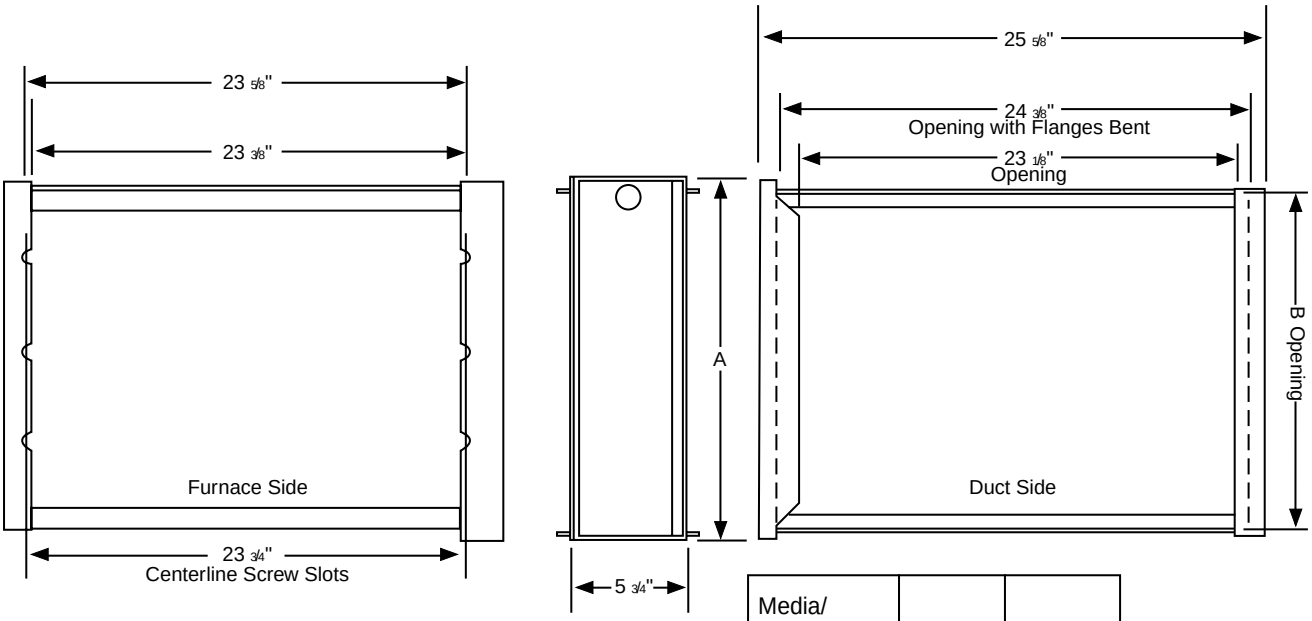
* Length shown is as measured 1 way along wire path between unit and service panel for maximum 2% voltage drop.
† Permissible limits of the voltage range at which the unit will operate satisfactorily.
‡ Time-delay fuse is recommended.

Typical installations



A89242

MEDIA FILTER CABINET



Media/ Filter Cabinet	A	B
16"	17	16"
20"	21	20"
24"	25	24"

A00309

Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice and without incurring obligations.